

US EPA Mid-Continent Ecology Division

Research Project Summary

Ecological Assessment of the Upper Missouri River

Overview

The EPA Office of Research and Development's Mid-Continent Ecology Division, in cooperation with EPA Region 8, North and South Dakota, and Montana, has completed an EMAP effort to assess selected resources of the Upper Missouri River mainstem, floodplain, and reservoirs. The objective has been to contribute to the scientific underpinning for adaptive management of the river via improved ecological assessment and monitoring. Products will include recommended biological indicators, identification of potential stressors, stressor-condition associations, delineation of important sources of variation, evaluation of sample designs, and ultimately, an ecological assessment of the river. Sample sites were located using a stratified random design which produces unbiased estimates of resource condition with known statistical confidence.

Key Products

Publish initial assessment of condition of large reservoirs of Upper Missouri River (2004).

Produce draft report on ecological conditions of the Upper Missouri River (2005).

Publish condition assessment of the Upper Missouri River (2007).

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